

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 February 2005 (17.02.2005)

PCT

(10) International Publication Number
WO 2005/013884 A2

- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number:
PCT/CA2004/001497
- (22) International Filing Date: 12 August 2004 (12.08.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
60/494,120 12 August 2003 (12.08.2003) US
- (71) Applicant (for all designated States except US): **HAMILTON CIVIC HOSPITALS RESEARCH DEVELOPMENT INC.** [CA/CA]; 711 Concession Street, Hamilton, Ontario L8V 1C3 (CA).

Ontario L7S 2L2 (CA). **WEITZ, Jeffrey, I.** [CA/CA]; 54 Carluke Road East, Ancaster, Ontario L9G 3L1 (CA). **HIRSH, Jack** [CA/CA]; 442 Maple Avenue, Burlington, Ontario L7S 2L7 (CA).

(74) Agents: **KURDYDYK, Linda et al.**; Suite 4700, P.O. Box 48, 66 Wellington Street, Toronto Dominion Bank Tower, Toronto Dominion Centre (CA).

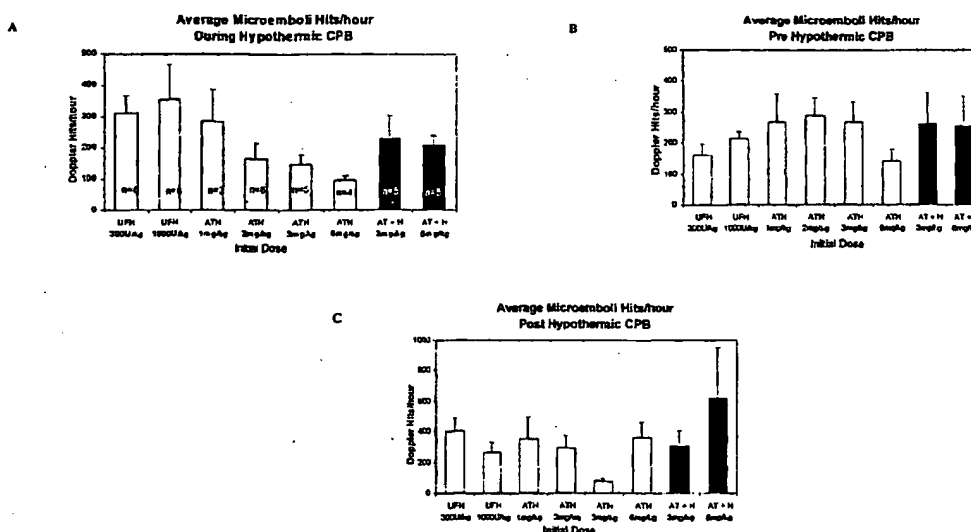
(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **CHAN, Anthony, Kam, Chuen** [CA/CA]; 146 Springfield Boulevard, Ancaster, Ontario L9K 1H8 (CA). **KLEMENT, Petr** [CA/CA]; 25-825 Concession Street, Hamilton, Ontario L8V 1C4 (CA). **TRESSEL, Paul** [US/CA]; 115 Dromore Crescent, Hamilton, Ontario L8S 4B1 (CA). **BERRY, Leslie, Roy** [CA/CA]; 1118 Augustus Drive, Burlington,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: METHODS FOR PREVENTING NEUROLOGICAL EVENTS



(57) Abstract: The present invention relates to therapeutic methods for preventing or reducing neurological events utilizing a glycosaminoglycan and a serpin, including complexes and conjugates thereof. Methods of the present invention may be advantageous for preventing or reducing neurological events prior to, or during medical or surgical procedures, and after a neurological event. In particular, the present invention deals with neurological events associated with the generation of emboli that can lodge in the brain and/or cerebral circulation during cardiac surgery.

WO 2005/013884 A2